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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/267,383 03/15/99 GRISHCHENKO

G 013550-091

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EXAMINER

LU, J

ART UNIT

PAPER NUMBER

3749

DATE MAILED:

03/30/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action SummaryApplication No.
09/267,383

Applicant(s)

GRISHCHENKO ET AL.

Examiner

JIPING LU

Group Art Unit

3749☒ Responsive to communication(s) filed on Mar 9, 1900☐ This action is **FINAL**.☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims☒ Claim(s) 14-24 is/are pending in the application.Of the above, claim(s) 18 and 23 is/are withdrawn from consideration.☐ Claim(s) _____ is/are allowed.☒ Claim(s) 14-17, 21, and 24 is/are rejected.☒ Claim(s) 19, 20, and 22 is/are objected to.☐ Claims _____ are subject to restriction or election requirement.**Application Papers**☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.☐ The drawing(s) filed on _____ is/are objected to by the Examiner.☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.☐ The specification is objected to by the Examiner.☐ The oath or declaration is objected to by the Examiner.**Priority under 35 U.S.C. § 119**☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been☐ received.☐ received in Application No. (Series Code/Serial Number) _____☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).**Attachment(s)**☒ Notice of References Cited, PTO-892☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 2☐ Interview Summary, PTO-413☐ Notice of Draftsperson's Patent Drawing Review, PTO-948☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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DETAILED ACTION

Election/Restriction

1. Applicant's election without traverse of Fig. 7, claims 14-17 and 19-22 in Paper No. 5 is acknowledged.
2. Claims 18 and 23 withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made **without** traverse in Paper No. 5.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 14-18 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Thiel et al. (U.S. Pat. 4,085,517) in view of Whelan (U.S. Pat. 3,840,999).

Thiel et al. show an apparatus (Fig. 1) for producing heat insulating foamable containers 12. An oven 1 produces heated air. A conveyor 4 conveys a plurality of fabricated containers 12 through the oven 1 to heat the surface of each fabricated container 12. However, Thiel et al. do not show spaced apart holders for supporting containers in a loose manner.

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Whelan teaches a conveyor 102 (see Fig. 6) which includes a plurality of spaced apart holders 43-46 for supporting respective fabricated containers 60 same as claimed. Each holder 43-46 configures to support fabricated containers 60 in a loose manner and enables the container 60 to freely wobble relative to its holder 43-46 under the influence of conveyor vibration and air currents within the oven 70 while prevents the fabricated container 60 from making contact with any other fabricated container within the oven. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to substitute the conveyor with holders 34 of Whelan for the conveyor 4 of Thiel et al. in order to provide a better support of the containers.

5. Claim 24 is rejected under 35 U.S.C. 103(a) as being unpatentable over Thiel et al. (U.S. Pat. 4,085,517) in view of Whelan (U.S. Pat. 3,840,999) as applied to claim 14 above, and further in view of Hicks (U. S. Pat. 4,004,129).

The apparatus of Thiel et al. as modified by Whelan as above includes all that is recited in claim 24 except for the serpentine conveyor within the oven. Hicks teaches a conveyor 12 extends through the oven along a serpentine path same as claimed. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to arrange the conveyor of Thiel et al. along a serpentine path in the oven as taught by Hicks in order to obtain a uniform heating to the containers.

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Allowable Subject Matter

6. Claims 19-20 and 22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jiping Lu whose telephone number is (703) 308-2354.


JIPING LU
PATENT EXAMINER

J. L.

March 27, 2000

